

Molecular Determinants of Affinity for Aminoglycoside Binding to the Aminoglycoside Nucleotidyltransferase(2'')-Ia, by Edward Wright and Engin H. Serpersu,* Volume 45, Number 34, August 29, 2006, pages 10243–10250.

Page 10245. The equation referenced to determine the net change in the number of solute-excluding water molecules was later corrected by the original authors to read

$$d(\ln K_a)/d[\text{solute}]_{\text{osmolal}} = -\Delta n_w/55.56 \quad (6)$$

Page 10248. Using the corrected equation, the net number of water molecules released upon tobramycin binding is 23.3 ± 1.1 and 21.2 ± 3.7 using ethylene glycol and glycerol, respectively, as the osmolytes. The net change when neomycin binds should read -0.53 ± 0.05 and 0.00 ± 0.15 using ethylene glycol and glycerol, respectively.

The larger net differences determined using the corrected equation provide stronger support for our conclusions regarding the differences in binding of 4,6- and 4,5-disubstituted aminoglycosides to ANT(2'').

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